

<b>Reference</b>	SSM75996
<b>Models</b>	New Range Rover / L460 New Range Rover Sport / L461
<b>Title</b>	L460/ L461 Front Brake Noise On Brake Application
<b>Category</b>	Chassis
<b>Last modified</b>	05-May-2023 00:00:00
<b>Symptom</b>	301000 Service Brake System
<b>Content</b>	<p><b>Issue:</b> A customer may report a squeal type sound from the front brakes when the footbrake is applied while the vehicle is in motion. Affecting L460/ L461 fitted with 400mm front brake disc and 6 piston fixed calliper models only.</p> <p><b>Note:</b> This Special Service Message (SSM) relates to brake squeal only. If a customer reports any other type of sound e.g groaning/ grinding/ vibration e.t.c then follow the brake system diagnostic path in the TOPIx Workshop Manual 206-00 and do not continue to follow this SSM.</p> <p><b>Cause:</b> Currently under analysis.</p> <p><b>Action:</b> Please carry out the following steps if a customer reports noise from the service brakes during brake pedal application.</p> <ol style="list-style-type: none"> <li>1. Check all brake pads/ discs/ brake shields are free from obstruction or debris.</li> <li>2. Check condition of brake pads and discs for excessive wear and replace as appropriate if they are worn below the minimum pad or disc thickness.</li> <li>3. If the brake discs/ pads are not showing signs of excessive wear determine which wheel assembly (LHF/RHF/LHR/RHR) is emitting the noise.</li> <li>4. If the noise is from the front brakes, please submit an electronic Product Quality Report (ePQR) with the following information: <ul style="list-style-type: none"> <li>• Sound recording when the noise is present using a suitable sound recording device</li> <li>• Approximate vehicle speed during occurrence</li> <li>• Approximate ambient temperature during occurrence</li> <li>• If the noise occurs at the start of the drive cycle or when the brakes are fully warm after a period of travel</li> <li>• If the noise occurs under light or heavy braking</li> <li>• If the noise occurs during brake pedal application or release</li> <li>• If the noise is from the rear brakes continue with diagnosis and rectification with reference to TOPIx Workshop Manual (No ePQR required)</li> </ul> </li> <li>5. Once the above is complete please place an order for replacement front brake pads via the Electronic Parts Catalogue (EPC) using part number (LR180976). The part will only be supplied after the ePQR has been received and analysed to determine if the part will rectify the concern.<b>Note: LR180976 is on parts restriction and will require submission of an ePQR with sound file for part release. If it is determined from the ePQR that this part will not rectify the concern, then the part order you have placed will be rejected. In this instance, please continue with further diagnosis with reference to the TOPIx Workshop Manual.</b></li> </ol>

***Note: Replace brakes discs only if they show signs of excessive wear or are below the minimum thickness. Return the vehicle to the customer.***

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